

**FOR: LETTER OF AUTHORIZATION  
: TEMPORARY PERMIT**

Check One

- ☐ Groundwater Cleanup  
☒ Well  
☐ Construction Water  
☐ Other

## SECTION A

1. **Name of Company or property applying for discharge?** Morton International, Inc.,  
A wholly owned subsidiary of Rohm and Haas Company
2. **Location:** 335 McLean Blvd., Paterson, NJ 07054
3. **Mailing Address:** Rohm and Haas Company, Engineering Division, 3100 State  
Road, Croydon, PA 19021  
Attn. R. Casselberry
4. **Person to contact concerning information provided in this application:**  
**Name of Contact Official:** Robert L. Casselberry, Jr. Engin. Div.  
**Title:** Corporate Remediation Program Manager  
**Address:** 3100 State Road, Croydon, PA 19021  
**Phone #:** 215-785-7917
5. **If consultant is being used for this discharge, provide:**  
**Name:** CH2M HILL  
**Address:** 99 Cherry Hill Road, Suite 200, Parsippany, NJ 07054  
**Phone #:** 973-316-9300  
**Contact:** Priya Jain

6. **Person or company responsible for payment of surcharge:**

Name: Rohm and Haas (Att: Robert Casselberry)

Address: 3100 State Road, Croydon, PA 19021

Phone #: 215-785-7917

7. **Does company have NJPDES Permit? Yes—No, if yes, list all.**

No

## SECTION B

**Brief Description of Operation:**

1. **What is the source of contamination?** The contamination source is groundwater produced during monitoring well drilling and installation activities. The well is being installed in the City of Paterson road right-of-way at the far south end of East 41st Street, near the NYS&W Rail Road right-of-way. No prior analysis has been performed on the groundwater at this location. Analytical data will be submitted to PVSC after the start of drilling activities.
2. **What is the anticipated duration of discharge?** The groundwater produced will be contained in portable 6,500-gallon polyethylene storage tank. The contents of the tank will be discharged intermittently over one to two working days. The discharge will occur intermittently during the duration of the drilling cycle, which is anticipated to be 3 to 4 weeks.
3. **Is there an existing sewer connection on site? Yes—No. If no, explain how wastewater will be conveyed to the sewer?** There is no existing connection to the PVSC at the location of the drilling activity. However, there is a PVSC sewer collector with manholes running below 41<sup>st</sup> Street. The discharge will be conveyed to the PVSC system through a manhole located in the City of Paterson road right-of-way, near the southern end of East 41<sup>st</sup> Street, in front of the residence located at 518 E. 41st Street.
4. **What is the total amount of volume expected to be discharged?** During the drilling activities, it is expected that a total of 5,000 to 20,000 gallons of water will be accumulated in and periodically discharged from a 6,500-gallon polyethylene storage tank. The water can be discharged intermittently following a settling period to remove solids. The total volume accumulated in the storage tank will be used to track the amount discharged in the sewer.

5. **What is the estimated average daily flow in GPM:** As discussed above, water will be discharged intermittently during the installation of the monitoring well. It is estimated that the average daily flow will be approximately 15-20 GPM.
6. **Describe any pretreatment expected to be used to treat the wastestream:**  
Considering that the source of water is from the installation of a monitoring well, the water may contain sediment. Therefore, the sediment will be allowed to settle prior to discharge.
7. **What percent removal rate will treatment system achieve?** The solids in the tank will be allowed to settle before water is discharged to the sewer. Water will be discharged from the top of the tank to minimize the discharge of solids.

## SECTION C

1. **Attach diagram of the property showing:** See Attachment A
  - a. Discharge location
  - b. Treatment System
  - c. Before and after treatment sample points (PVSC requires accessibility to install a sampler)
  - d. Non-resettable flowmeter
  - e. Identify well or wells being pumped
2. **Details of connection(s) to the municipal (or PVSC) sewer, including the distance and direction of each connection from the nearest street intersection.**

## SECTION D

1. **Analysis of wastewater expected to be discharged. If wastewater will be pretreated, analyze a sample before and after pretreatment.**

Parameter	Results (mg/l) Report to the nearest hundredth: 0.XX except where indicated.
(As) Arsenic	pending analysis (see below)
(Cd) Cadmium	pending analysis (see below)
(Cu) Copper	pending analysis (see below)
(Pb) Lead	pending analysis (see below)
(Ni) Nickel	pending analysis (see below)
(Zn) Zinc	pending analysis (see below)
(Hg) Mercury (Report to 0.XXX)	pending analysis (see below)
(Mo) Molybdenum	pending analysis (see below)
(BOD) Biochemical Oxygen Demand (Report to XXX)	pending analysis (see below)
(TSS) Total Suspended Solids (Report to XXX)	pending analysis (see below)

(pH) Standard Unit Range	pending analysis (see below)
(PHC) Petroleum Hydrocarbons	pending analysis (see below)
(TTO) Total Toxic Organics	pending analysis (see below)

**Note:** Analysis of discharge parameters shall be performed by a laboratory that has been certified by the State of New Jersey. Company is required to submit all certified lab analysis. Analysis sheets for TTO must identify all analytes (parameters) and must be reported to the proper detection levels. PVSC reserves the right to require additional analyses if it deems it necessary.

2. **Date samples taken:** Sample to be collected after well drilling work begins.

3. **Name of Laboratory certified by NJDEP to conduct all required analysis:**

Severn Trent Laboratory, Edison NJDEP#12028

## SECTION E

### Certification:

The information contained in this application is familiar to me, and to the best of my knowledge and belief, such information is true, complete, and accurate.

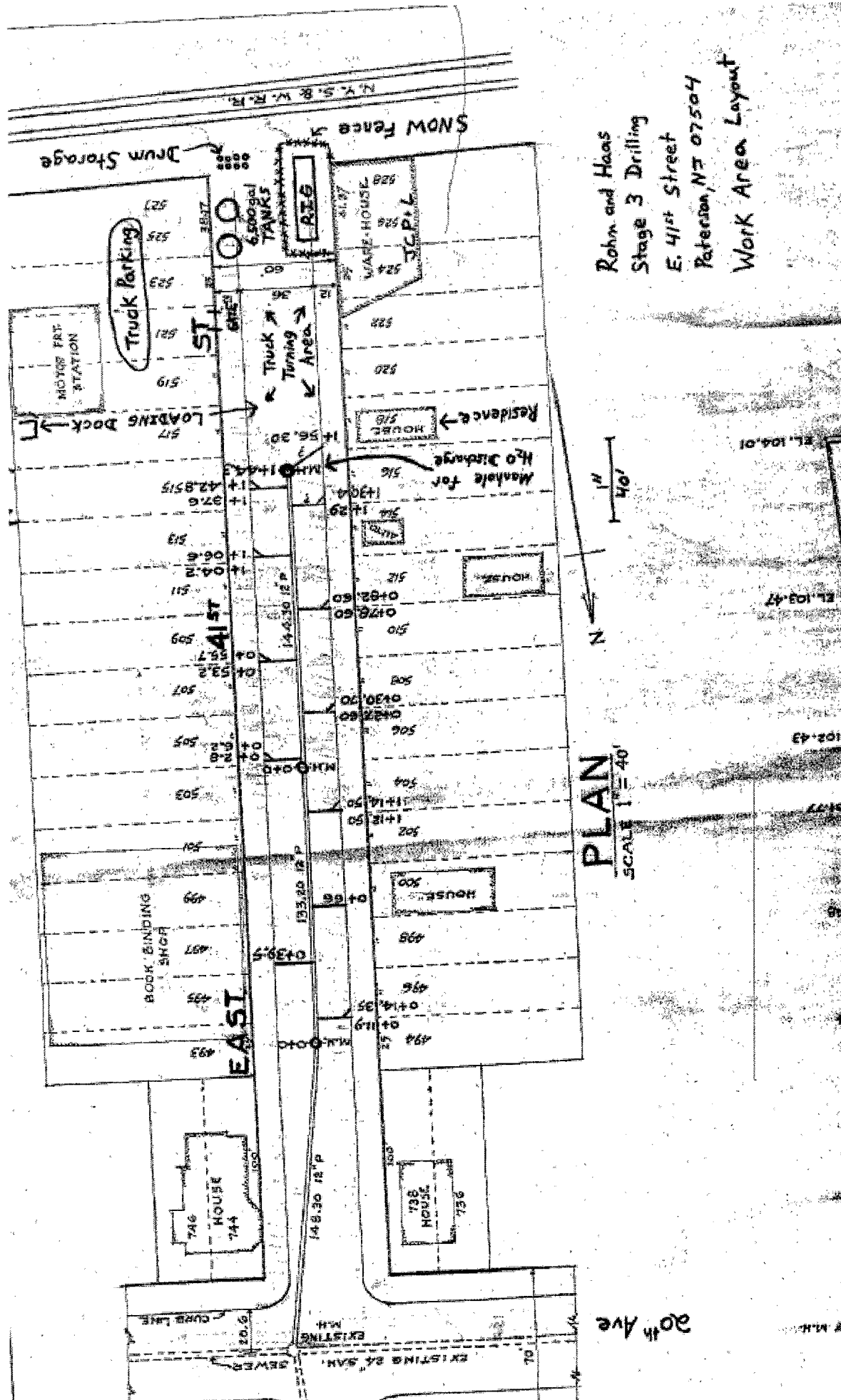
**Name of Signing Official:** Robert L. Casselberry, Jr.

**Title:** Corporate Remediation Program Manager

**Date:** 1/26/04 **Signature:** 

## **Attachment A**

Figure showing the manhole location.



100 INDEPENDENCE MALL WEST, PHILADELPHIA, PA 19106-2399 USA TELEPHONE (215) 592-3000

REPLY TO:  
ENGINEERING DIVISION  
3100 STATE ROAD  
CROYDON, PA 19021  
(215) 785-7000 FAX (215) 785-7458

INDUSTRIAL <u>120-195</u>				
8110	8115	8120	8125	8205
JAN 28 2004				



January 26, 2004

Andy Caltagirone  
Manager of Industrial and Pollution Control  
Passaic Valley Sewerage Commissioners  
600 Wilson Avenue  
Newark, NJ 07105

Subject: Notification for Discharge of Groundwater from Drilling Activities  
Rohm and Haas Paterson Facility  
Via Overnight Mail

Dear Mr. Caltagirone:

In accordance with my conversation on January 7, 2004 with Mr. Anthony Gammara of your office, this letter is to request authorization for discharge of groundwater that will be generated during drilling activities. I have requested that CH2M HILL prepare the necessary application on behalf of Rohm and Haas Company. The application for this matter is enclosed. The drilling activities are anticipated to start on February 3, 2004. Two monitoring wells will be installed in the City of Paterson road right-of-way, at the far south end of East 41st Street, near the NYS&W Rail Road right-of-way. The drilling activities are being performed as required by the New Jersey Department of Environmental Protection (NJDEP), and in accordance with NJDEP protocol.

As the groundwater is produced will be collected and contained in a 6,500-gallon polyethylene storage tank. The contents of the tank can be discharged at a rate of approximately 15 gallons per minute (GPM). At that rate of discharge, the tank can be emptied intermittently over two working days. The discharge will occur intermittently during the duration of the drilling cycle, which is anticipated to last approximately three to four weeks. Over this timeframe an estimated 5,000 to 20,000 gallons of water will be discharged to PVSC. The exact volume discharged is not known prior to completing the drilling activity and is dependant on the water yield of the rock formation at the well location.

The water will be conveyed to the PVSC system through a manhole located in the City of Paterson right-of-way, near the southern end of East 41st Street, in front of the residence located at 518 E. 41st Street. The location of the manhole is provided as an attachment to the application.

A sample of the groundwater generated during the first two days of the drilling cycle will be sent for expedited analysis for the parameters listed in Section D of the application. The analytical results will be provided to PVSC before discharge of the groundwater to the

Andy Caltagirone

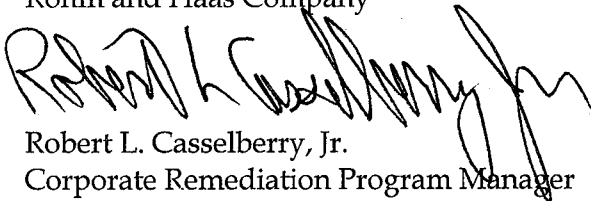
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sewer. Per the information provided by PVSC, a check in the amount of \$900 (\$750 application fee and \$150 administrative fee) is included. I thank you in advance for your expedited review and action on this request. Please feel free to contact me if you need to discuss this matter further or inform me of your decision. I can be reached at 215-785-7917.

Sincerely,

Rohm and Haas Company

A handwritten signature in black ink, appearing to read "Robert L. Casselberry, Jr.", is written over the printed name and title.

Robert L. Casselberry, Jr.

Corporate Remediation Program Manager

CC: M. Bazany, Rohm and Haas Company  
A. Liming, Paterson Site Permit File  
T. Montgomery, Rohm and Haas Company  
J. Whitney, CH2M HILL